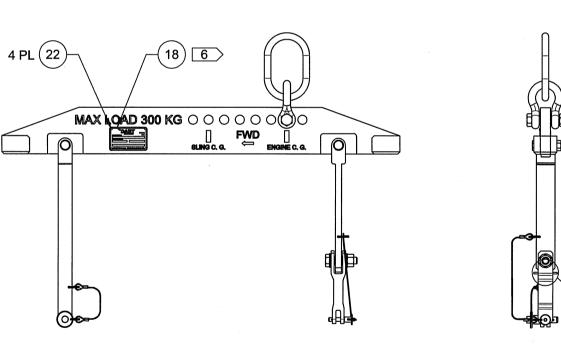
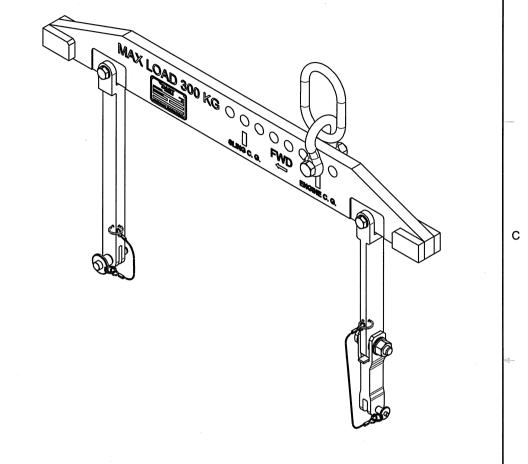
	U	<u> </u>	, , , , , , , , , , , , , , , , , , ,		
ITEM#	QTY	PART#	PART TITLE		
-1	1	RBW7100G00132-8G-1	RBW7100G00132-8G-1 BASE PLATE WELDMENT		
-5	1	RBW7100G00132-8G-5	32-8G-5 LEFT HAND CLEVIS		
-6	1	RBW7100G00132-8G-6	V7100G00132-8G-6 RIGHT HAND CLEVIS ASSEMBLY #1		
-8	1	RBW7100G00132-8G-8 RIGHT HAND CLEVIS ASSEMBLY #2			
-17	1	RBW7100G00132-8G-17 CUSHION			
18	1	RB41011 DART PLACARD			
19	1	McMaster#3119T3 OR EQUIV.	McMaster#3119T3 OR EQUIV. GRADE 100 STEEL OBLONG LINK 4-23/32" LG. X 2-3/4" WD. X 9/16" THK. X 6100 LBS. CAPAC		
20	4	McMaster#3896T31 OR EQUIV. ALUMINUM WIRE ROPE COMPRESSION SLEEVE 1/16" DIA. X 3/8" LG.			
21	1	McMaster#8966T52 OR EQUIV. GALVANIZED STEEL SHACKLE 3/4" PIN DIA. X 10,000 LBS. CAPACITY			
22	4	McMaster#90081A077 OR EQUIV. ZINC PLATED STEEL SCREW NAIL #2 SIZE X 1/4" LG.			
23	2	McMaster#90905A654 OR EQUIV.	V. 316 SS SPLIT RING 13/16" ID. X 15/16" OD. X 1/8" THK.		
24	1	McMaster#90985A211 OR EQUIV.	17-4 PH SS KNOB-GRIP BUSH-BUTTON QUICK-RELEASE PIN 5/16" DIA. X 1" USABLE LG.		
25	1	McMaster#90985A410 OR EQUIV. 17-4 PH SS KNOB-GRIP PUSH-BUTTON QUICK-RELEASE PIN 1/2" DIA. X 1" USABLE LG.			
26	2	McMaster#94895A825 OR EQUIV. YELLOW ZINC PLATED GRADE 8 STEEL HEX NUT 1/2"-20 X 7/16" HT.			
27	1	McMaster#94895A835 OR EQUIV. YELLOW ZINC PLATED GRADE 8 STEEL HEX NUT 5/8"-18 X 35/64" HT.			
28	A/R	CARRLANE#CL-2-C	#CL-2-C NYLON COATED STEEL LANYARD 1/16" DIA.		
29	2	AN8-23A	BOLT		



**BOLT** 

WASHER

WASHER



## RBW7100G00132-8G SLING ENGINE LIFTING ASSEMBLY

А	NEW ISSUE 19-710 KPT					
REV.	DESCRIPTION ECN # BY				BY	
DESIG	N	KPT	DART AEROSPACE	LTD		
DRAWN		KPT	HAWKESBURY, ONTARIO, CANADA			
CHECKED		MBB	TOOL PART #	REV. A		
MFG. A	NPPR.	.DP	RBW7100G00132-8G	SHEET	1 OF 20	
APPRO	OVED	AP.	TITLE SLING ENGINE LIFTING ASSEMBLY	SCALE NTS	<b>⋺</b> ⊕	
DATE 4/30/2019			COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT			

NOTES:

30

31

32

2

1) MATERIAL: N/A 2) HEAT TREAT: N/A 3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1° X.XX = +/- 0.01" / +/- 0.5°

AN10-22A

NAS1149F0863P

NAS1149F1032P

X.XXX = +/- 0.005" / +/- 0.1° X.XXX = +/- 0.005" / +/- 0.1° X.XXXX = +/- 0.0005" / +/- 0.05° PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

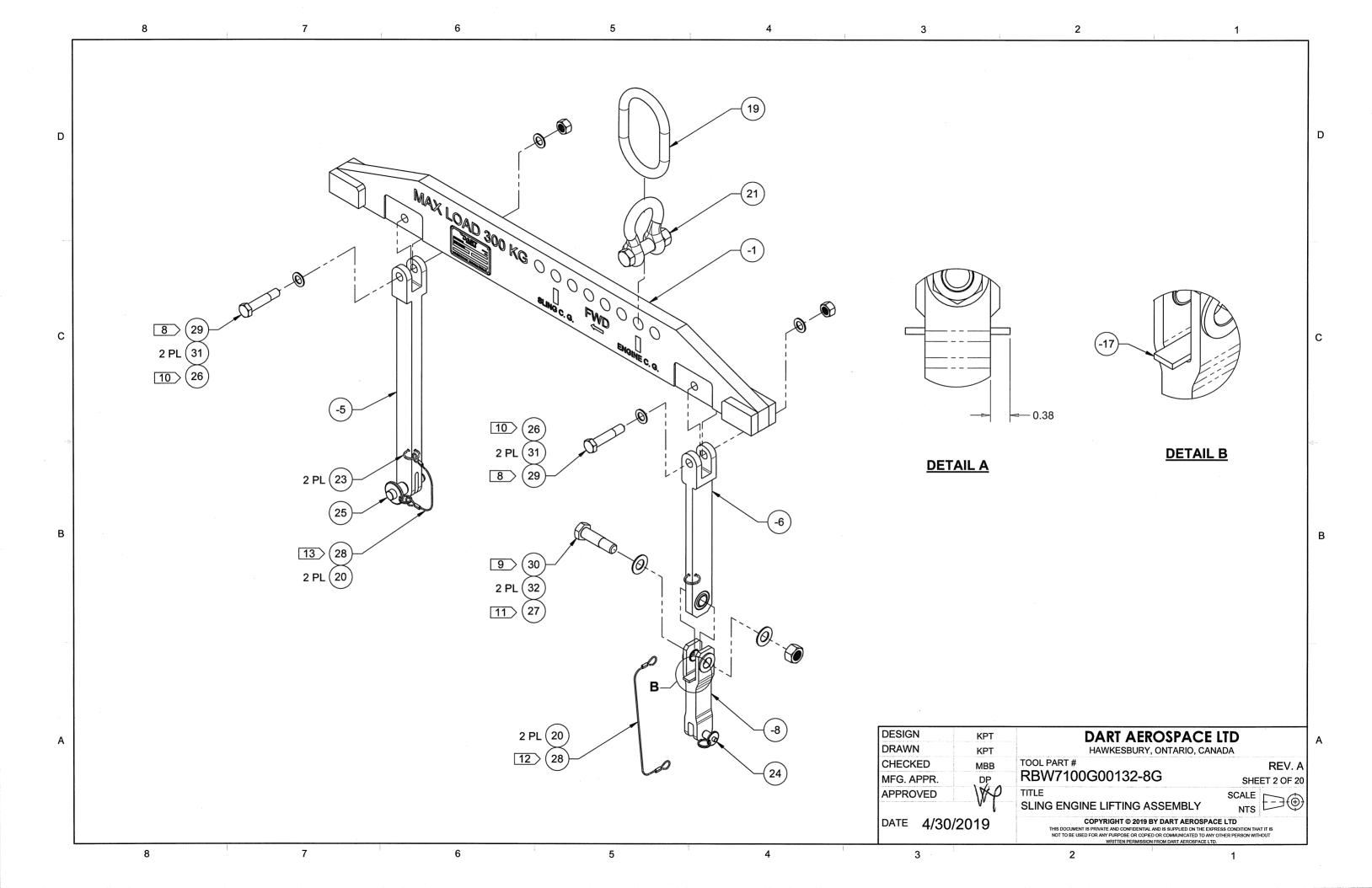
5) UNITS: INCHES UNLESS OTHÉRWISE NOTED

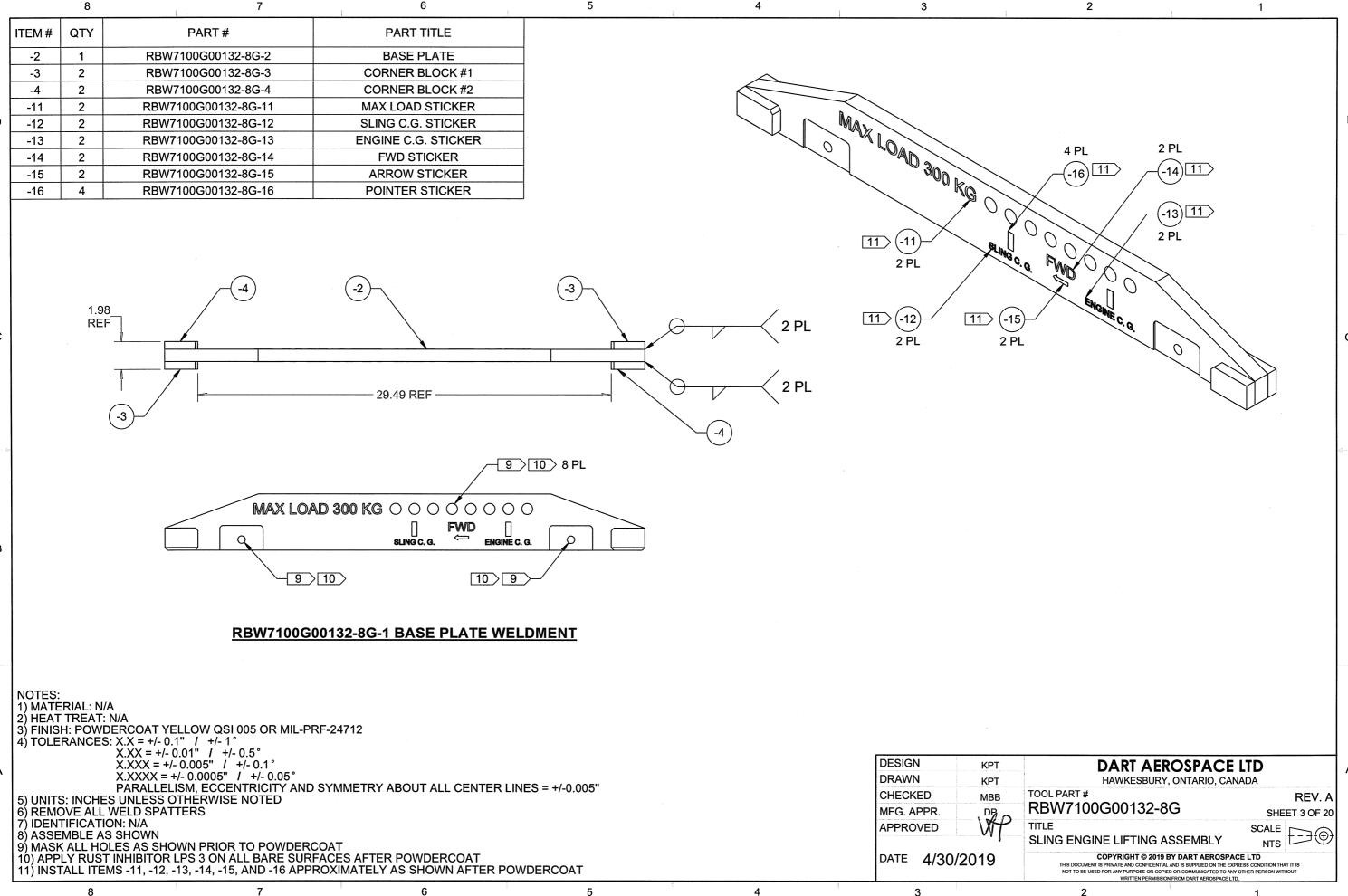
6) IDENTIFICATION: ENGRAVE THE TOOL P/N, S/N, AND "SWL: 300 KG (660 LBS)" ON THE DART PLACARD WHERE INDICATED

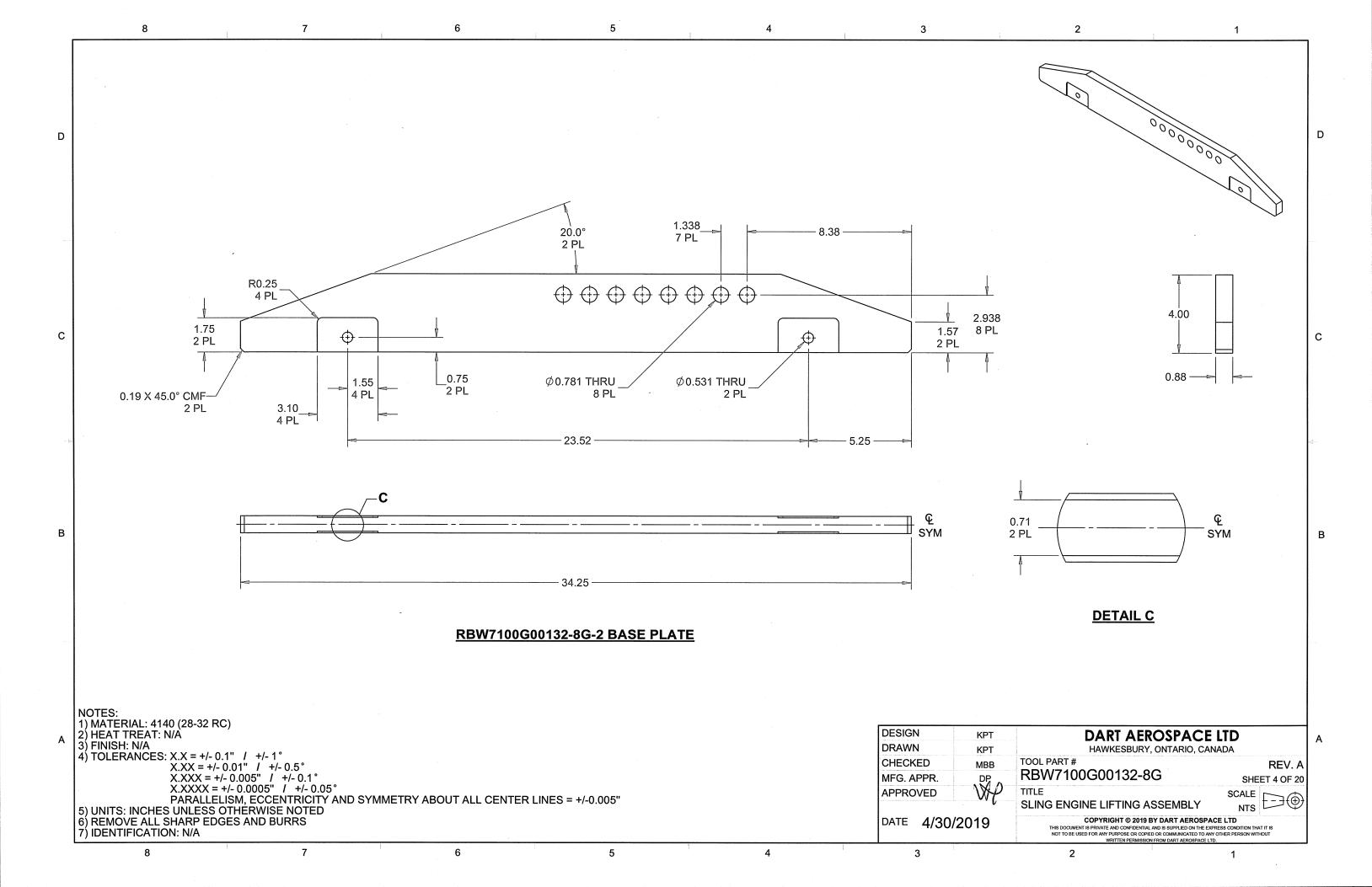
7) ASSEMBLE AS SHOWN

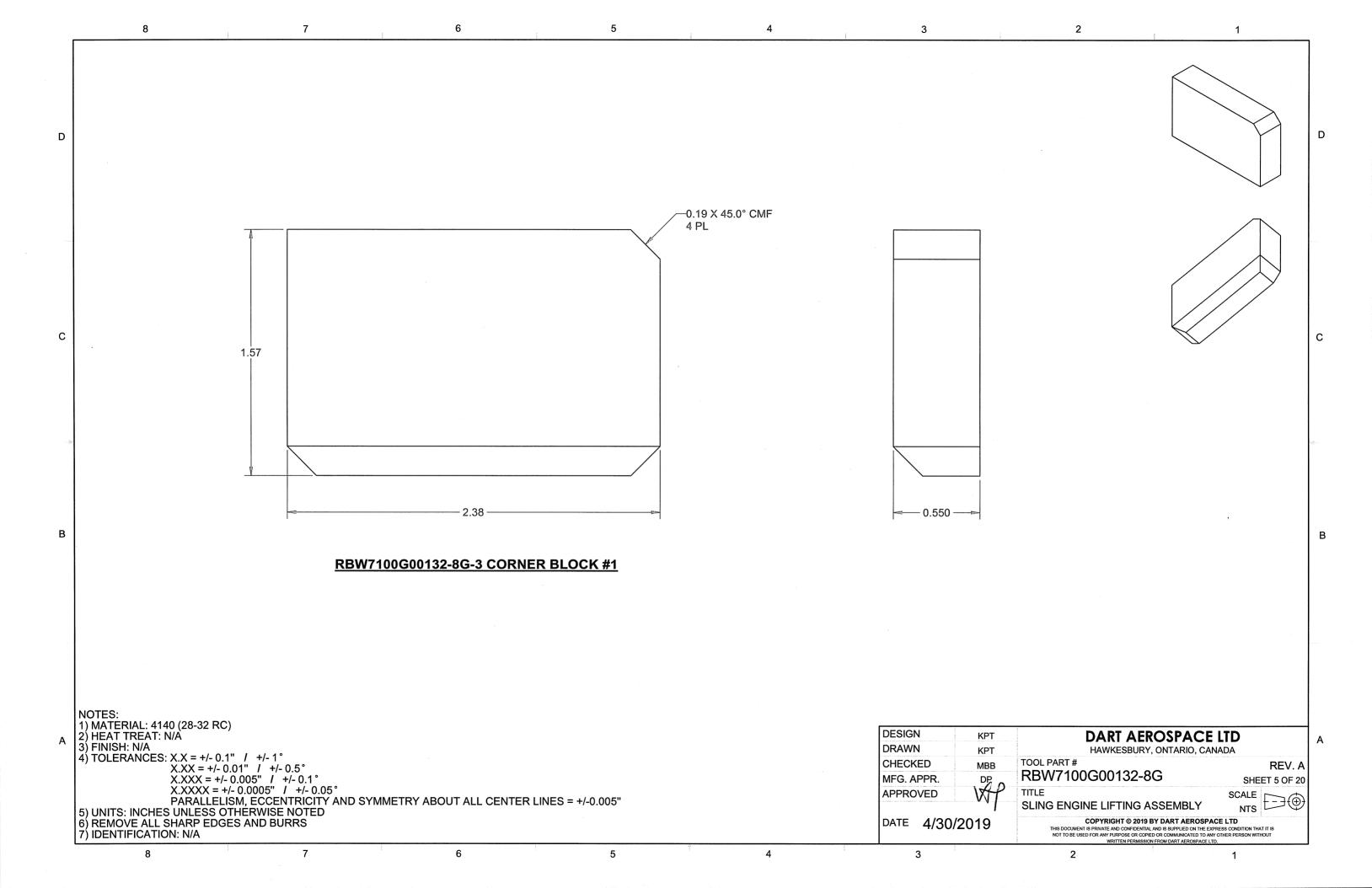
8) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 29 THEN ASSEMBLE WITH ITEM 26 AND REMOVE EXCESS 9) APPLY RED THREADLOCKER LOCTITE 263/262 ON THREADS OF ITEM 30 THEN ASSEMBLE WITH ITEM 27 AND REMOVE EXCESS 10) TORQUE ITEM 26 TO 24-34 FT-LBS (290-410 IN-LBS) 11) TORQUE ITEM 27 TO 50-65 FT-LBS (600-780 IN-LBS) 12) ASSEMBLED LANYARD LENGTH MUST BE 11" +/- 1", LANYARD MUST MOVE FREELY WHEN INSTALLING/REMOVING ITEM 24 13) ASSEMBLED LANYARD LENGTH MUST BE 7" +/- 1", LANYARD MUST MOVE FREELY WHEN INSTALLING/REMOVING ITEM 25

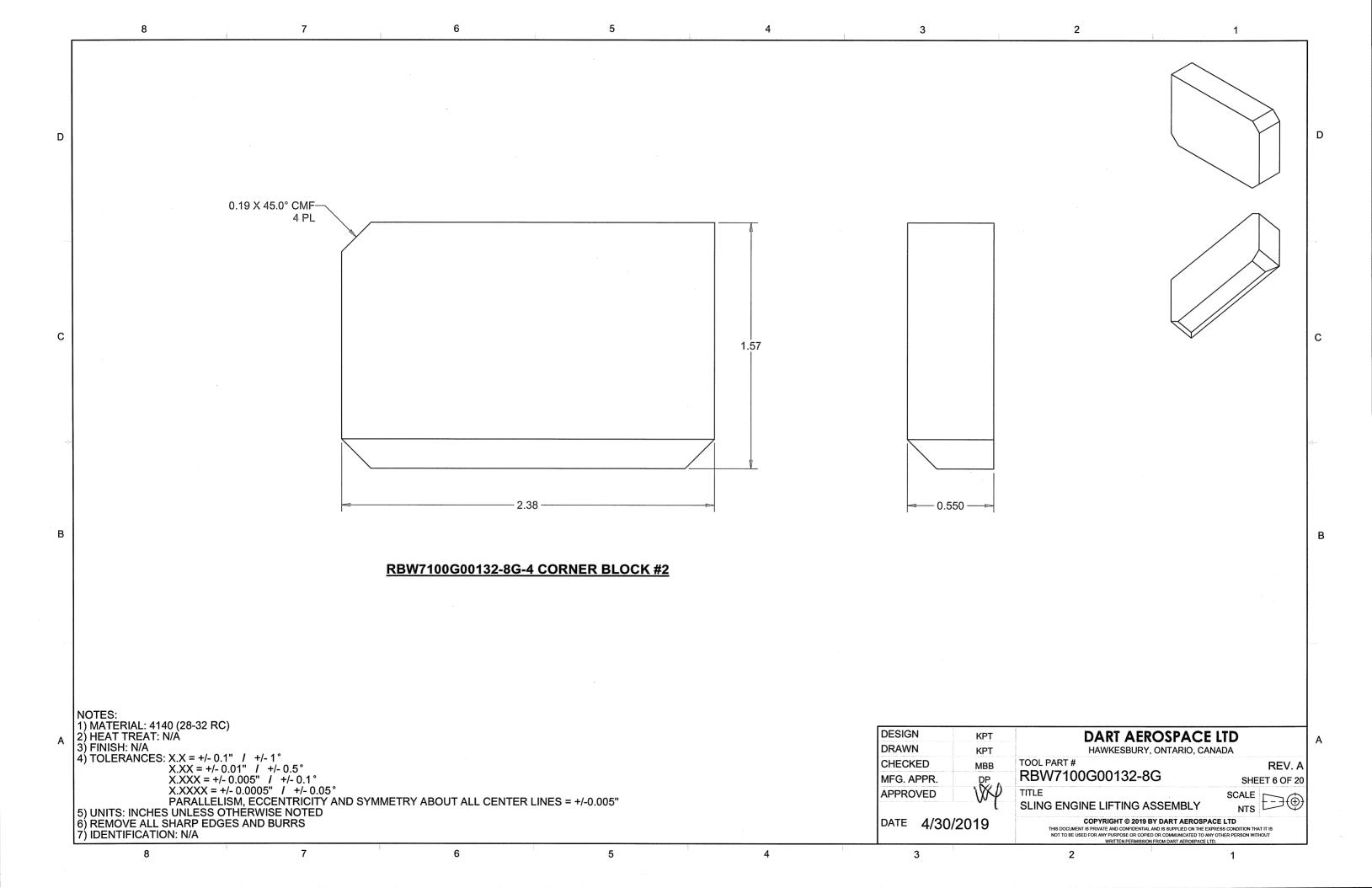
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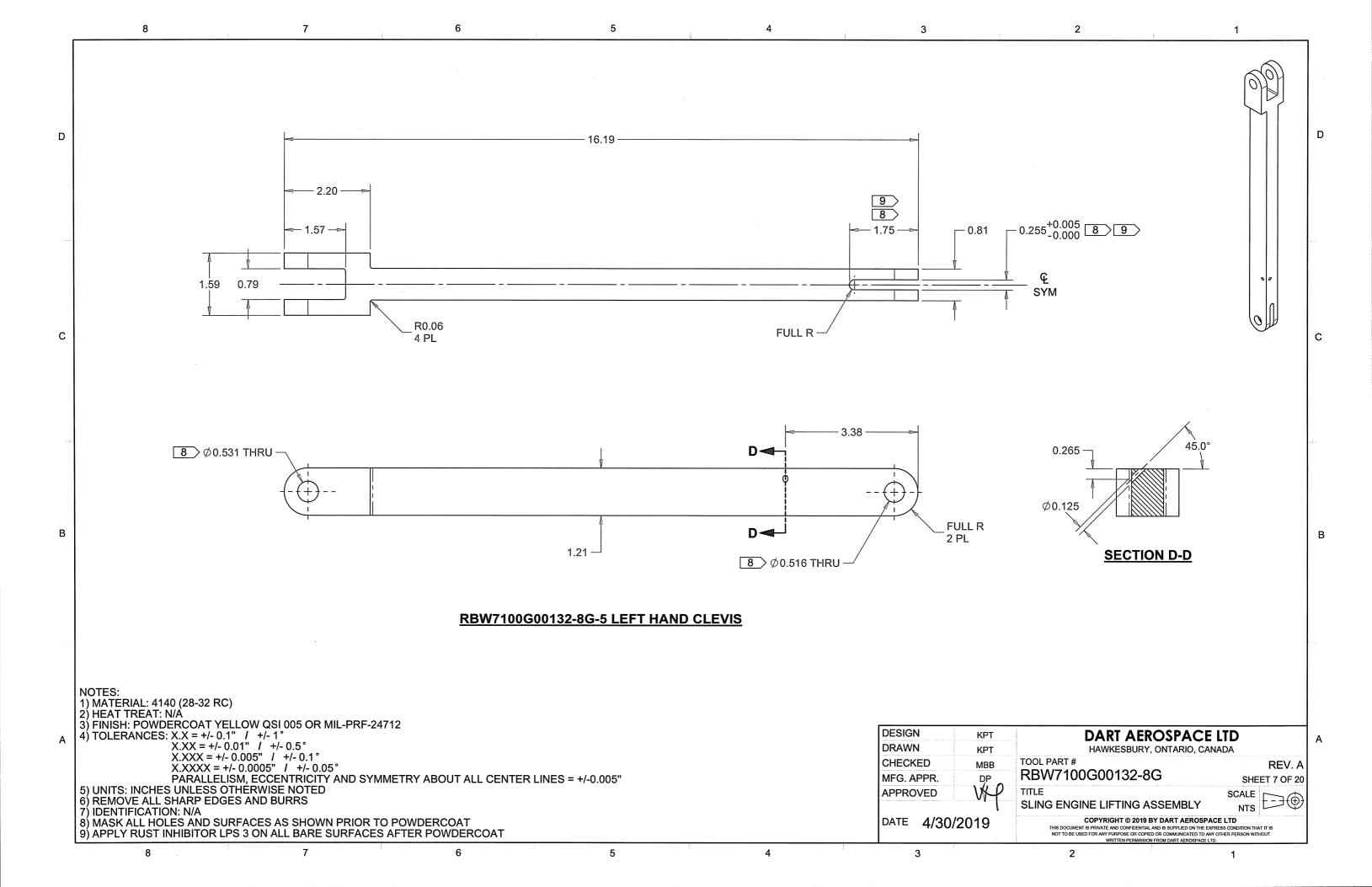


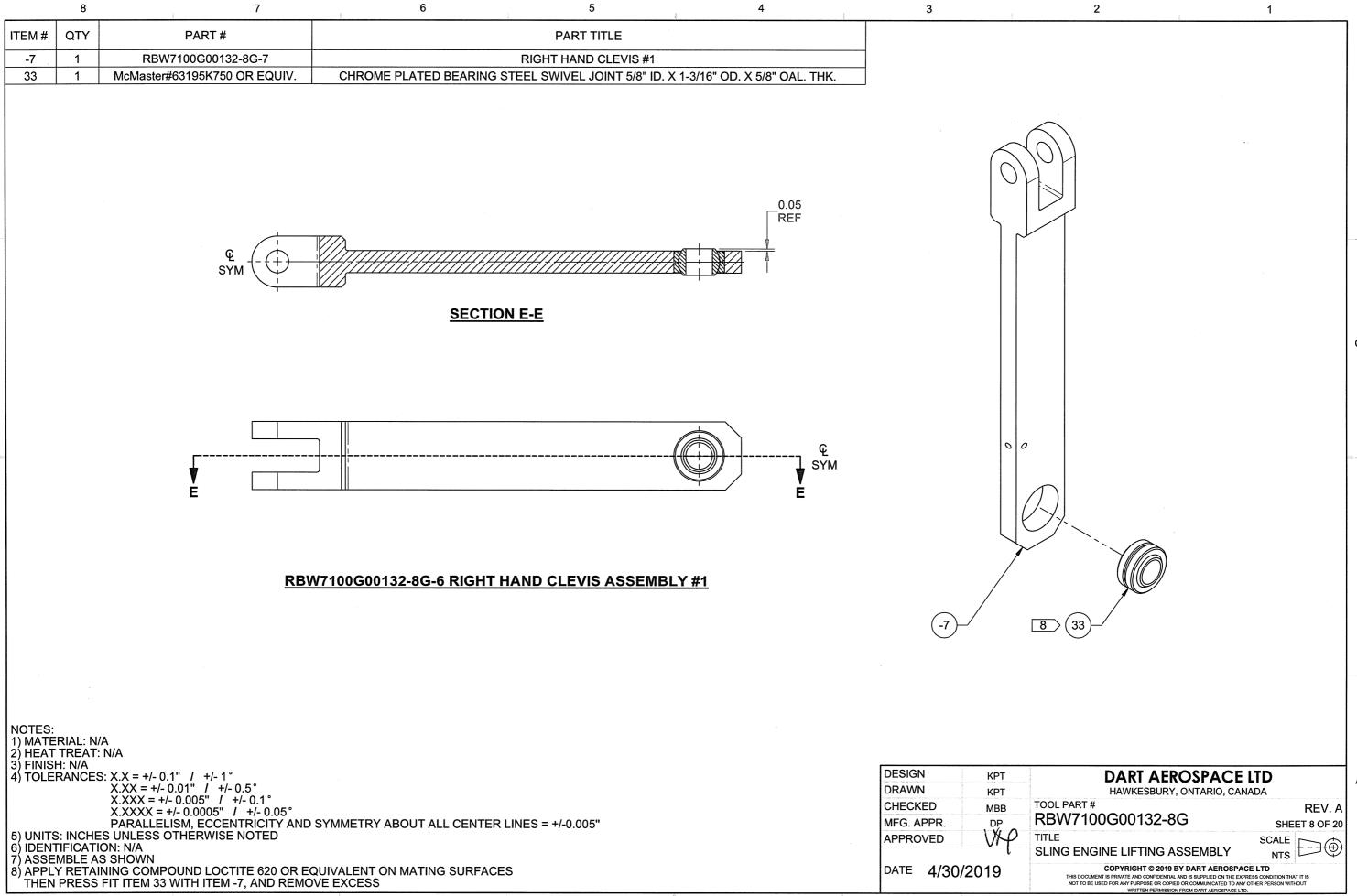




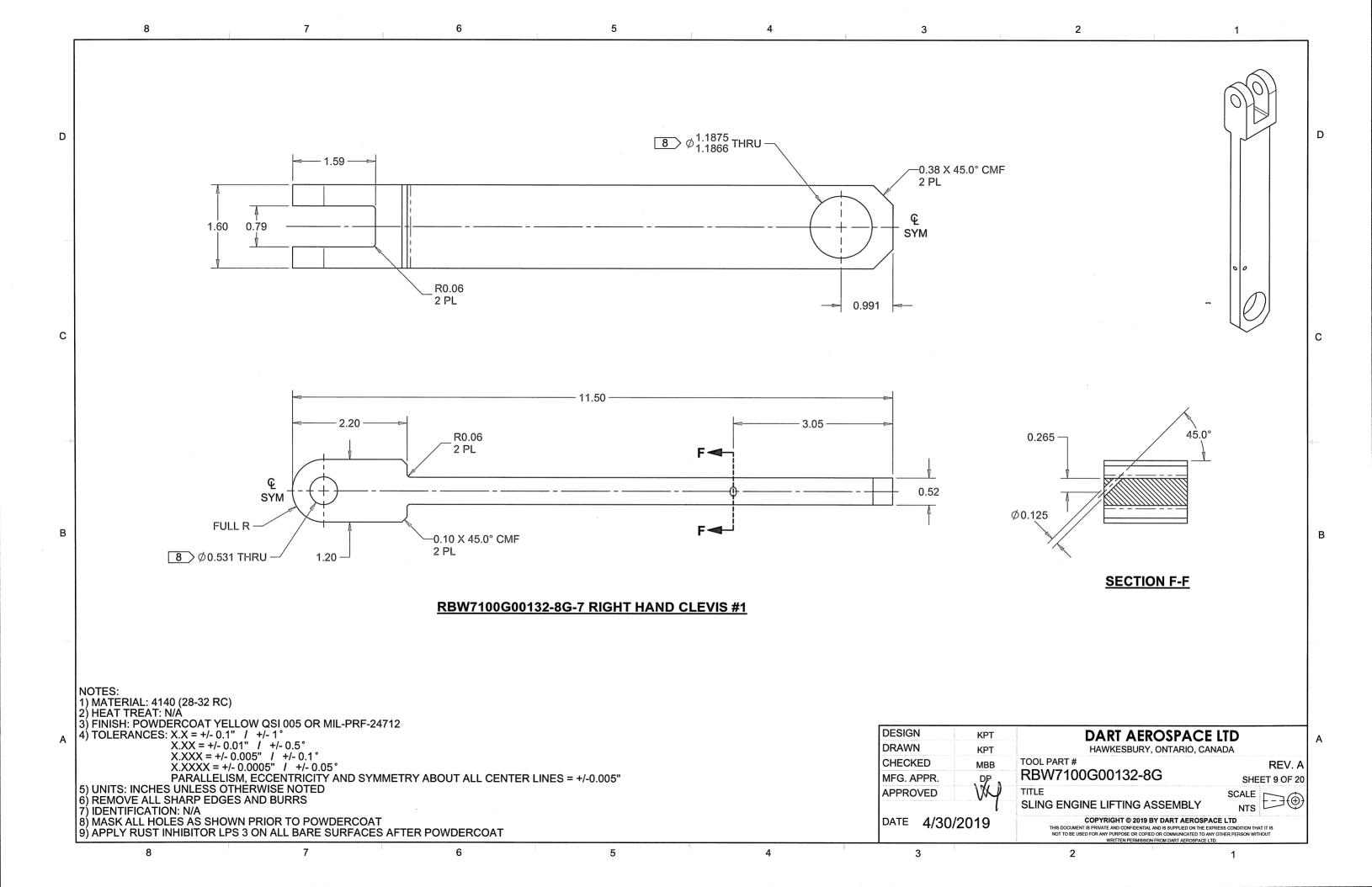








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7 ITEM# QTY PART# PART TITLE RIGHT HAND CLEVIS #2 -9 RBW7100G00132-8G-9 RBW7100G00132-8G-10 BUSHING -10 2 **SECTION G-G** RBW7100G00132-8G-8 RIGHT HAND CLEVIS ASSEMBLY #2 NOTES: 1) MATERIAL: N/A 2) HEAT TREAT: N/A DESIGN DART AEROSPACE LTD KPT DRAWN HAWKESBURY, ONTARIO, CANADA KPT TOOL PART # CHECKED MBB REV. A RBW7100G00132-8G MFG. APPR. DP SHEET 10 OF 20 **APPROVED** SCALE NTS -SLING ENGINE LIFTING ASSEMBLY 8) APPLY RETAINING COMPOUND LOCTITE 620 OR EQUIVALENT ON MATING SURFACES
THEN PRESS FIT ITEM -10 WITH ITEM -9, AND REMOVE EXCESS COPYRIGHT © 2019 BY DART AEROSPACE LTD DATE 4/30/2019 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

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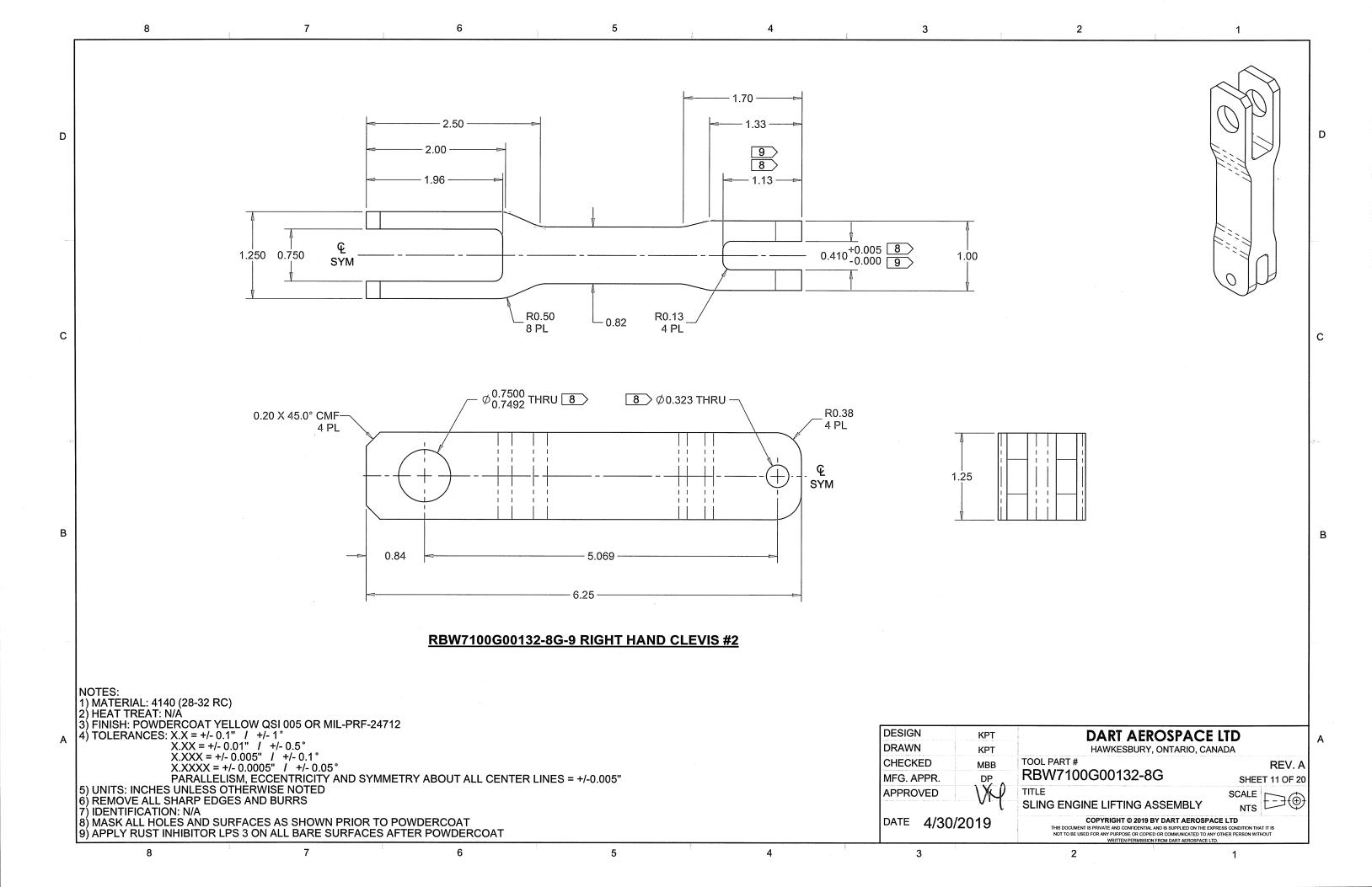
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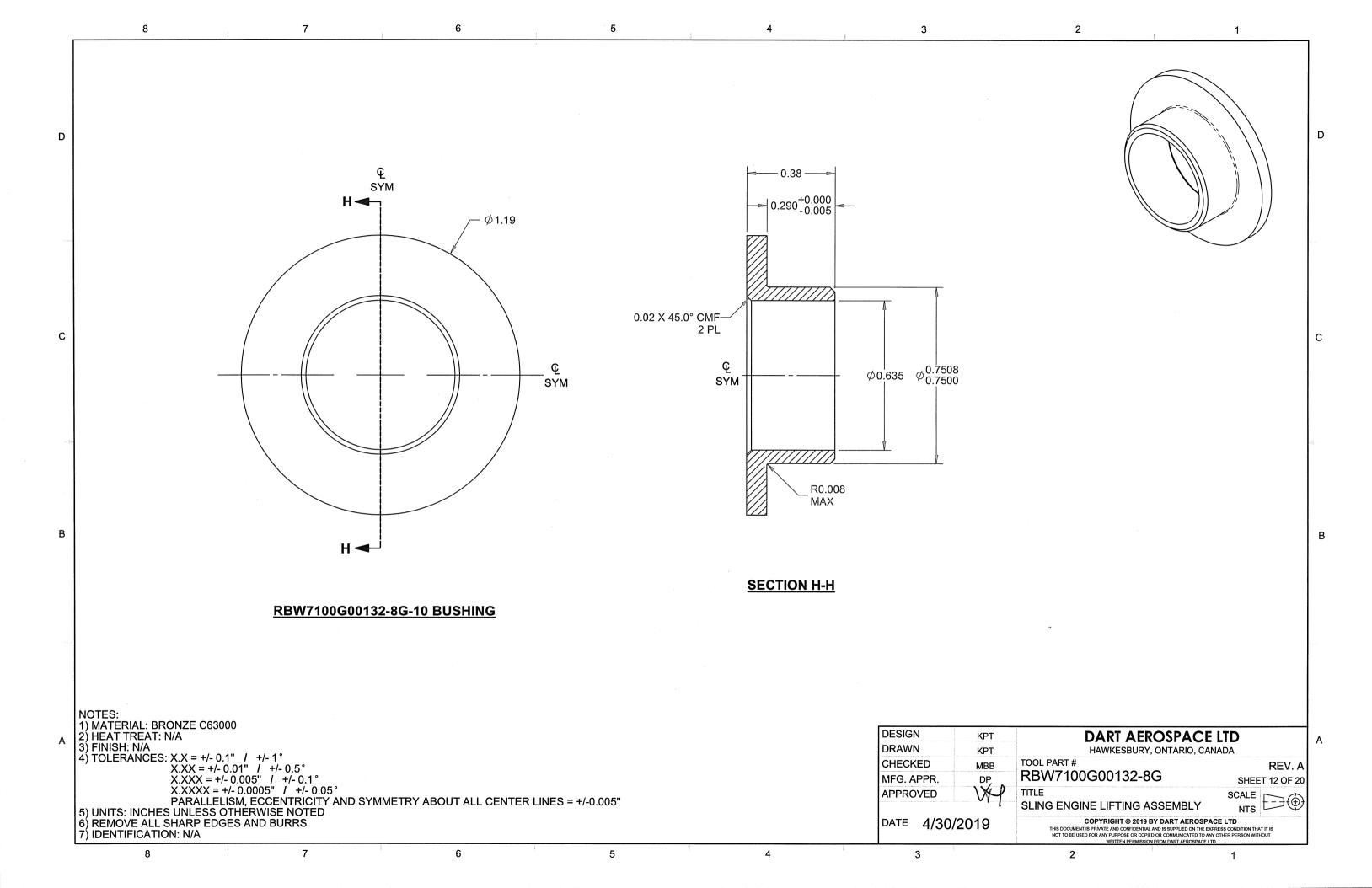
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WRITEN

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8

- 9.13 REF

## RBW7100G00132-8G-11 MAX LOAD STICKER

7 8

1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031 OR EQUIV. 2) HEAT TREAT: N/A 3) FINISH: N/A

7

5) UNITS: INCHES UNLESS OTHERWISE NOTED
6) IDENTIFICATION: N/A
7) STICKER MUST BE BLACK CUT VINYL
8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-11 REV. A.DXF

6

DESIGN	KPT	DART AEROSPACE LTD		
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA		
CHECKED	MBB	TOOL PART #	REV. A	
MFG. APPR.	DP _	RBW7100G00132-8G	SHEET 13 OF 20	
APPROVED	y	TITLE SLING ENGINE LIFTING ASSEMBLY	SCALE NTS	
DATE 4/30/	2019	COPYRIGHT © 2019 BY DART AEROSPACE LTD  THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS  NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT  WRITTEN PERMISSION FROM DART REPOSPACE I TUT  TO THE PERMISSION FROM DART REPOSPACE I TUT  WRITTEN PERMISSION FROM DART REPOSPACE I TUT  WRITTEN PERMISSION FROM DART REPOSPACE I TUT  OF THE PERMISSION FROM DART REPOSPACE I TUT  WRITTEN PERMISSION FROM DART		

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0.38 REF - 2.84 REF RBW7100G00132-8G-12 SLING C.G. STICKER 7 8 1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031 OR EQUIV. 2) HEAT TREAT: N/A DESIGN DART AEROSPACE LTD 3) FINISH: N/A KPT 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° DRAWN KPT HAWKESBURY, ONTARIO, CANADA CHECKED TOOL PART# MBB REV. A RBW7100G00132-8G MFG. APPR. DP **SHEET 14 OF 20** TITLE **APPROVED** SCALE 5) UNITS: INCHES UNLESS OTHÉRWISE NOTED SLING ENGINE LIFTING ASSEMBLY NTS 6) IDENTIFICATION: N/A 7) STICKER MUST BE BLACK CUT VINYL COPYRIGHT © 2019 BY DART AEROSPACE LTD DATE 4/30/2019 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-12 REV. A.DXF 7 6 3 2 5

D REF - 3.25 REF RBW7100G00132-8G-13 ENGINE C.G. STICKER 7 8 В NOTES: 1) MATERIAL: 2) HEAT TREAT: N/A DESIGN 3) FINISH: N/A DART AEROSPACE LTD **KPT** 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° DRAWN KPT HAWKESBURY, ONTARIO, CANADA X.XX = +/-0.01" / +/-0.5° TOOL PART # CHECKED MBB REV. A X.XXX = +/-0.005" / +/-0.1° RBW7100G00132-8G X.XXXX = +/-0.0005" / +/-0.05° MFG. APPR. **SHEET 15 OF 20** PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005" TITLE APPROVED 5) UNITS: INCHES UNLESS OTHERWISE NOTED 6) IDENTIFICATION: N/A SCALE NTS -SLING ENGINE LIFTING ASSEMBLY 7) STICKER MUST BE BLACK CUT VINYL 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-13 REV. A.DXF DATE 4/30/2019 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. 8 7 6 5 4 3 2

5 3 0.63 REF - 1.88 REF **RBW7100G00132-8G-14 FWD STICKER** 7 8 В 1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031 OR EQUIV. 2) HEAT TREAT: N/A DESIGN DART AEROSPACE LTD 3) FINISH: N/A **KPT** 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° X.XX = +/- 0.01" / +/- 0.5° DRAWN HAWKESBURY, ONTARIO, CANADA KPT TOOL PART # CHECKED MBB REV. A X.XXX = +/-0.005" / +/-0.1° RBW7100G00132-8G X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005" MFG. APPR. **SHEET 16 OF 20** TITLE APPROVED SCALE NTS - + 5) UNITS: INCHES UNLESS OTHÉRWISE NOTED SLING ENGINE LIFTING ASSEMBLY 6) IDENTIFICATION: N/A
7) STICKER MUST BE BLACK CUT VINYL
8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-14 REV. A.DXF DATE 4/30/2019 COPYRIGHT © 2019 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. 6 5 4 2 3

0.38 REF - 1.00 REF RBW7100G00132-8G-15 ARROW STICKER 7 8 1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031 OR EQUIV. 2) HEAT TREAT: N/A 3) FINISH: N/A DESIGN DART AEROSPACE LTD **KPT** 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° DRAWN HAWKESBURY, ONTARIO, CANADA KPT TOOL PART# CHECKED MBB REV. A RBW7100G00132-8G MFG. APPR. DP SHEET 17 OF 20 APPROVED **SCALE** NTS -SLING ENGINE LIFTING ASSEMBLY 6) IDENTIFICATION: N/A 7) STICKER MUST BE BLACK CUT VINYL
8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-15 REV. A.DXF COPYRIGHT © 2019 BY DART AEROSPACE LTD DATE 4/30/2019 THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD. 6 2 5 3

2 3 1.00 REF - 0.38 REF -----RBW7100G00132-8G-16 POINTER STICKER 7 8 1) MATERIAL: 3M 7 MIL MASKING FILM #8522CP OR AVERY IPM #2031 OR EQUIV. 2) HEAT TREAT: N/A **DESIGN** DART AEROSPACE LTD 3) FINISH: N/A KPT 4) TOLERANCES: X.X = +/- 0.1" / +/- 1° **DRAWN** HAWKESBURY, ONTARIO, CANADA KPT X.XX = +/- 0.01" / +/- 0.5° X.XXX = +/- 0.005" / +/- 0.1° X.XXXX = +/- 0.0005" / +/- 0.05° TOOL PART # CHECKED MBB REV. A RBW7100G00132-8G MFG. APPR. **SHEET 18 OF 20** PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) IDENTIFICATION: N/A **APPROVED** SCALE SLING ENGINE LIFTING ASSEMBLY NTS DATE 4/30/2019 COPYRIGHT © 2019 BY DART AEROSPACE LTD 7) STICKER MUST BE BLACK CUT VINYL THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW7100G00132-8G-16 REV. A.DXF WRITTEN PERMISSION FROM DART AEROSPACE LTD. 7 3 2

